

#### H. TYPHOON TRIX (040300Z-100000Z AUGUST 1960)

Typhoon TRIX was the third of a series of typhoons that developed in succession near the Yap-Koror area and intensified after departure from that area. At 300000Z a cyclonic vortex existed in the Yap-Koror area and appeared to have formed not more than 12 to 18 hours prior to that time. This low moved N and then NW toward Okinawa at 5 to 6 kts. A MATS transport aircraft observed the circulation as it flew the Manila-Guam flight track and reported the position to FWC/JTWC. The first warning was issued at 040300Z with 40 kt surface winds near the center and with intensification expected. The first typhoon warning was issued at 051800Z, although post analysis indicated typhoon winds at 050600Z. Surface winds about TRIX intensified to 125 kts by 061200Z and commenced weakening at 070600Z. The speed of movement increased from 6 kts at 040300Z to a maximum of 20 kts at 070600Z when Typhoon TRIX was 85 mi SSW of Naha, Okinawa. The typhoon turned W, passed over the N tip of Taiwan at 080200Z, and then moved toward the WSW. The last warning was issued at 100000Z when the last vestiges of TRIX was 105 mi N of Hong Kong.

As Typhoon TRIX approached Taiwan, a trough commenced developing at the S tip of the island at 071200Z. By 080000Z a closed circulation existed 150 mi S of the Typhoon just off the E coast of Taiwan. The surface winds appear to have reached a maximum speed of 40 kts about this secondary low associated with Typhoon SHIRLEY; this low persisted as a closed circulation until TRIX was near the coast line of the Asiatic mainland at approximately 081800Z.

The eye of TRIX was well defined throughout its life as a typhoon with a minimum reported eye diameter of 10 mi and a maximum diameter of 60 mi. The most frequently reported diameter was 10 mi, although the average diameter was probably 25 to 30 mi in relation to time.

Typhoon TRIX traveled 1500 mi in 5 days and 21 hours at an average speed of 11 kts or 254 mi each day. On 4 August the typhoon moved at a minimum speed of 6 kts, and on 7 August it moved at a maximum speed of 20 kts.

# BEST TRACK TYPHOON TRIX 04-10 AUG 1960

## Legend

6 HR BEST TRACK POSITS

△ AIRCRAFT FIX

\* SPEED } KTS

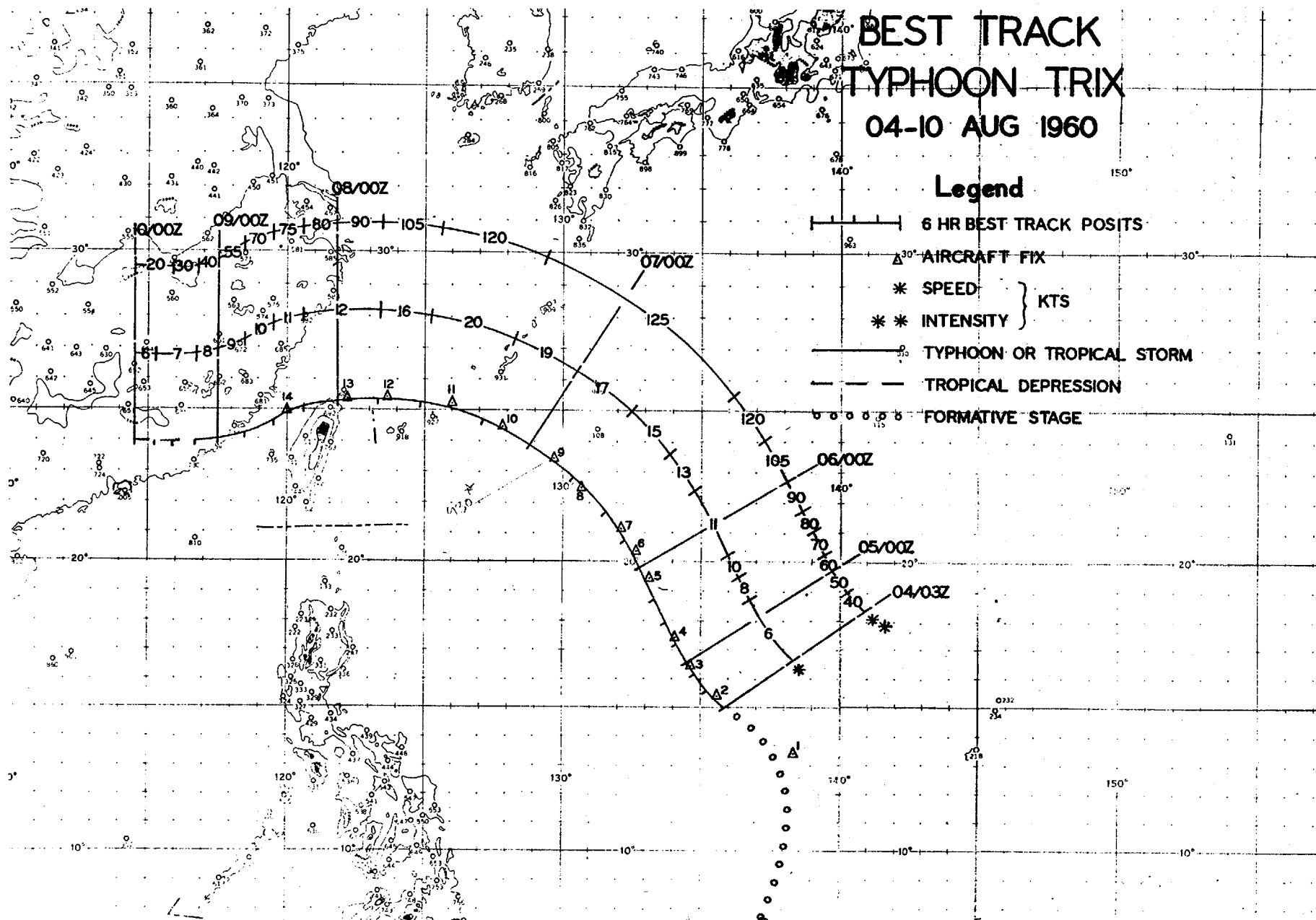
\*\* INTENSITY

—— TYPHOON OR TROPICAL STORM

- - - TROPICAL DEPRESSION

o o o FORMATIVE STAGE

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# RECONNAISSANCE AIRCRAFT FIXES - TYPHOON TRIX

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN SLP MBS	MAX SFC WND	MIN 700MB HGT	MAX 700MB WND	700MB TT/Td (°C)	EYE CHARACTERISTICS
1	040414Z	13.7N	138.3E	MATS----	- -	30	- - -	- -	- - -	CIRC DIA 40 MI
2	040746Z	15.3N	135.5E	56-P-02	1000	50	9950 <sup>993</sup>	25	10/09	CIRC DIA 60 MI OPEN W
3	042115Z	16.3N	134.7E	56-P-05	985	50	9780 <sup>988</sup>	45	19/09	CIRC DIA 25 MI NO WALL CLDS
4	050900Z	17.4N	134.1E	56-P-10	975 <sup>x</sup>	50	9700 <sup>985</sup>	60	16/10	SC SPIRAL BANDS IN EYE
5	052110Z	19.4N	133.1E	56-P-03	975	100	9290 <sup>971</sup>	75	15/09	CIRC DIA 33 MI
6	060300Z	20.3N	132.7E	315-P-02	- -	100	9080 <sup>944</sup>	- -	13/--	ELLIP NW-SE DIA 16 MI
7	060815Z	21.1N	132.1E	56-P-05	935	125	8310 <sup>936</sup>	120	20/14	CIRC DIA 20 MI
8	061556Z	22.5N	130.6E	VW1-R-03	- -	- -	- - -	- -	- - -	SLIGHTLY ELLIP
9	062050Z	23.4N	129.8E	56-P-05	918 <sup>x</sup>	120	8130 <sup>930</sup>	100	21/09	CIRC DIA 10 MI
10	070300Z	24.5N	127.9E	315-P-02	- -	130	8210 <sup>933</sup>	70	23/--	CIRC DIA 12 MI
11	070910Z	25.2N	126.0E	56-P-03	- -	120	8440 <sup>941</sup>	110	19/14	CIRC DIA 10 MI
12	071645Z	25.3N	123.6E	VW1-R---	- -	- -	- - -	- -	- - -	POORLY DEFINED
13	072345Z	25.2N	122.1E	56-P-05	958	- -	- - -	*65	- - -	CIRC DIA 30 MI
14	080730Z	25.0N	120.0E	56-R-10	- -	- -	- - -	- -	- - -	EYE WELL DEFINED
* MAX 500 MB WND										

TYPHOON TRIX 04-10 AUGUST 1960  
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
040300Z	15.0N	135.8E	- - - -	- - - -
040600Z	15.2N	135.6E	- - - -	- - - -
041200Z	15.6N	135.2E	- - - -	- - - -
041800Z	16.1N	134.8E	- - - -	- - - -
050000Z	16.6N	134.5E	190-89	- - - -
050600Z	17.2N	134.2E	176-103	- - - -
051200Z	17.9N	133.8E	218-156	- - - -
051800Z	18.8N	133.4E	217-210	- - - -
060000Z	19.8N	132.9E	203-203	199-190
060600Z	20.8N	132.3E	202-247	206-303
061200Z	21.7N	131.6E	133-185	203-349
061800Z	22.9N	130.4E	126-263	209-388
070000Z	23.9N	128.9E	085-183	181-357
070600Z	24.8N	127.1E	097-200	174-432
071200Z	25.2N	124.9E	086-247	105-645
071800Z	25.3N	123.2E	077-320	100-793
080000Z	25.2N	121.9E	055-273	071-717
080600Z	25.1N	120.6E	342-168	069-489
081200Z	24.7N	119.5E	323-180	058-509
081800Z	24.3N	118.5E	268-133	051-601
090000Z	24.1N	117.5E	272-93	037-521
090600Z	24.0N	116.7E	352-54	304-337
091200Z	24.0N	115.9E	282-109	299-400
091800Z	24.0N	115.2E	242-78	265-211
100000Z	24.0N	114.5E	226-132	257-162

AVERAGE 24 HOUR ERROR 173 MI  
AVERAGE 48 HOUR ERROR 436 MI

